



Real
Sociedad
Española de
Física

ID de la contribución : 473

Tipo : Oral parallel contribution

Modulating light emission in a spin-OLED through spin injection at high voltages

lunes, 17 de julio de 2017 18:30 (30)

Spin-based electronics is one of the emerging branches in today's nanotechnology and the most active area within nanomagnetism. So far spintronics has been based on conventional materials like inorganic metals and semiconductors. Still, an appealing possibility is that of using molecule-based materials, as components of new spintronic systems. In particular, by taking advantage of a hybrid approach one can integrate molecular materials showing multifunctional properties into spintronic devices. In this talk we illustrate the use of this approach to fabricate multifunctional molecular devices combining light and spin-valve properties (i.e., Spin-OLEDs).

Primary author(s) : Dr. PRIMA GARCIA, Helena (Instituto de Ciencia Molecular (Valencia))

Presenter(s) : Dr. PRIMA GARCIA, Helena (Instituto de Ciencia Molecular (Valencia))

Clasificación de la sesión : Molecular Electronics

Clasificación de temáticas : Molecular Electronics